Diagnostic Radiology

GI / SM Bowel:
Patient has **NO** previous Barium or CT contrast:
GI / SM Bowel Prep: **NPO after MN**
General Information:
- Do not schedule a BE on same day as a small bowel.
- CT – NM – US exams must be done first.
Patient **HAS** previous Barium or CT contrast:
GI / SM Bowel Prep:
- Nulytely 4000 ML – Drink 8 OZ dissolved solution every 10 minutes until gone or rectal effluent is clear.
- Clear liquid supper
- **NPO after MN**

Gallbladder:
Patient has **NO** previous Barium or CT contrast:
GB Prep:
- Low fat supper
- 8 PM–Give 6 Telepaque tablets: one every 5 minutes with water
- 16 OZ water until bedtime
- **NPO after MN**
General Information:
- Do not schedule a BE on same day as a Small Bowel
- CT – NM – US Exams must be done first.
Patient **HAS** previous Barium or CT contrast:
GB / GI Prep:
- Nulytely 4000 ML – Drink 8 OZ dissolved solution every 10 minutes until gone or rectal effluent is clear.
- Clear liquid diet
- **NPO after MN**
- For GB only: 8 PM give 6 Telepaque tablets: one every 5 minutes with water. 16 OZ water until bedtime. **NPO after MN**
General Information:
- Do not schedule a BE on same day as a Small Bowel.
- CT – NM – **US** exams must be done first.
**BE – Colostomy Prep:**

- Liquid diet 24 hours prior to exam
- On day prior to exam give – Nulytely 4000 ML – Drink 8 OZ dissolved solution every 10 minutes until gone or rectal effluent is clear.
- Clear liquids in AM

**General Information:**
- Two empty colostomy bags must accompany patient to radiology.

**Myelogram:**

**Patient HAS NO previous barium or CT contrast**

**Myelogram Prep:**
- Clear liquids after midnight
- Take all medication except blood thinners
- No carbonated drinks
- Follow other orders as directed by physician

**General Information:** Cervical, Lumbar and Thoracic myelograms must have H & P and must follow contraindicated drug list.
- Call Radiology RN if patient is on blood thinners.
- Lovenox – Low dose – hold 12 hours, High dose – hold 24 hours
- INR < 1.5
- Labs: CBC
- INR, PTT if on blood thinners

**Myelogram / BE Prep:**

**Patient HAS previous barium or CT contrast**

**Myelogram / BE Prep:**
- Nulytely 4000 ML – Drink 8 OZ of dissolved solution every 10 minutes until gone or rectal effluent is clear.
- Clear liquid supper
- Clear liquids in AM – except IVP and Venogram (NPO)
General Information:
• Do not schedule a BE on the same day as a Small Bowel
• CT – NM – US exams must be done first
• If liquids are contraindicated due to patient condition, consult attending physician before administering liquids.
• For Myelogram – Call Radiology RN if patient on blood thinners.
• Lovenox – Low dose – hold 12 hours, High dose – hold 24 hours
• INR < 1.5
• Labs: CBC
• INR, PTT if on blood thinners

Colyte Prep:
• Check attending for patients on fluid intake restrictions
• Begin Colyte at 4 PM
• Clear liquid supper
• Clear liquids in AM
• Enemas: one PM and one AM

Note: If patient is unable to tolerate colyte, then follow myelogram / BE prep for a patient with previous barium / CT contrast.

Enema Technique:
• 2000 ML lukewarm water
• Patient stays on right side
• Fill colon with water
• Allow 30 minutes for patient to empty.

Cystogram / VCU:

Patient has no previous barium or CT contrast

Cystogram / VCU Prep:
• No bowel prep necessary if no previous barium
• VCU requires Foley catheter being removed at end of exam. Advise if catheter should be replaced.

IVP:

Patient has no previous barium or CT contrast

IVP Prep:
• Nulytely 4000 ML – Drink 8 OZ of dissolved solution every 10 minutes until gone or rectal effluent is clear
• Clear liquid supper
• NPO after MN
Ultrasound Scan

U/S Abdomen:

U/S Abdomen Prep:
- **NPO after MN**
- Must be NPO 12 hours prior to exam except in emergency situations
- Cannot have contrasted study on same day prior to exam

U/S Aorta:

U/S Aorta Prep:
- **NPO after MN**
- Must be NPO 12 hours prior to exam except in emergency situations
- Cannot have contrasted study on same day prior to exam

U/S Biopsy:

U/S Biopsy Prep: Clear liquids
General Information: Patient must have:
- CBC
- INR
- PTT
- Working IV or heplock
- Call Radiology RN if patient on blood thinners.
- INR < 1.6
- Lovenox – Low dose – hold 12 hours
  High dose – hold 24 hours

U/S Fetal Age:

U/S Fetal Age Prep:
- Patient should drink 32 OZ fluid at least 30 minutes prior
- Patient may not void
- Pelvic U/S with IVP will be done after IVP if HCG is NEG

General Information: must have a full bladder or a catheter
**U/S Fluid Localization:**

U/S Fluid localization Prep: Clear liquids

General Information: Patient must have:
- CBC
- INR
- PTT
- Working IV or heplock

Thoracentesis:
- Call Radiology RN if patient on blood thinners.
- INR < 2.0
- Lovenox – Low dose – hold 12 hours
  - High dose – hold 24 hours

Paracentesis:
- Call Radiology RN if patient on blood thinners.
- INR < 2.0
- Lovenox – Low dose – hold 12 hours
  - High dose – hold 24 hours

**U/S Pelvic:**

U/S Pelvic Prep:
- Patient should drink at least 32 OZ fluid at least 30 minutes prior
- Patient may not void
- Pelvic U/S with IVP will be done after IVP if HCG is NEG

General Information: Must have a full bladder or a catheter
Note: Emergency Pelvic requires bladder catheter

**U/S Renal:**

U/S Renal Prep:
- Need Moderately full bladder
- No voiding 30 minutes prior to exam

Note: If test is for renal artery stenosis, must be fasting 8 hours prior to exam.
C/T Scan

C/T Biopsy:
CT Biopsy Prep: **NPO after MN**
General Information:
- Patient must have: CBC
  - INR
  - PTT
  - Working IV or heplock
- Call Radiology RN if patient on blood thinners.
- INR < 1.5
- Lovenox – Low dose – Hold 12 hours prior
  - High dose – Hold 24 hours prior

C/T Body:
Routine CT Body Prep:
- Abdomen/Pelvis Scans require dosing with contrast overnight or 2-3 hours prior to scan.
- If patient cannot drink fluid – notify ordering Physician, request NG tube order.
General Information:
- Patient must have a working IV or heplock.
- Check for contrast allergy, kidney dye, Etc.
- If patient allergic to contrast, patient must be pre-medicated. Call 1317 for instructions.

C/T Body Prep – Previous Barium: Prep for patient with previous barium
- Nulytely 4000ML: Drink 8 OZ of dissolved solution every 10 minutes until gone or rectal effluent is clear.
Note: After patient has cleared Barium follow routine body scan prep.

C/T IV Contrasted Study:
C/T IV Contrasted Study: Clear liquids 4 hours prior
General information:
- Without contrast scans patient may eat – no prep
• Patient must have working IV or heplock
• Check for contrast Allergy, kidney dye, Etc.
• Patients on Glucophage – Glucophage should be held 48 hours post contrast injection. Renal function studies should be obtained prior to restarting.

**C/T Scan Body – Chest:**

- Morning of test: Clear liquids only
- Patient must have 18 G (EJ or Cordis) in A/C or higher.
- If contrast allergy – patient must be pre-medicated. Call 1317 for instructions.

> **Nuclear Medicine**

**Biliary (HIDA), W or W/O CCK:**

- Biliary Prep: **NPO after MN**
- Please hold Morphine or Morphine derivative for 4 to 6 hours.

General Information: Indicate if patient is to have Cholecystokinin (CCK) challenge or not.

**Bone Scan:**

- Bone Scan Prep:
  - Hydrate patient.
  - Patient must empty bladder before leaving floor.

General Information: Patient must be injected and return for scan 3 hours later.

**3 Phase Bone Scan:**

- Bone Scan (3 phase) Prep:
  - Hydrate patient.
  - Patient must empty bladder before leaving floor.

General Information: Study is for Osteomyelitis. Patient is injected in Nuclear medicine.
**Cardiolyte Spect:**
Cardiolyte Spect Prep:
- **NPO after MN**
- Must have heplock in place, left arm if possible.
- Follow Thallium menu or as instructed by Nuclear medicine technologist.

General Information: The exam will be completed in one visit.
**Note:** Call central scheduling for appointment time of inpatients and outpatients.

**Cardiolyte Stress Thallium:**
Cardiolyte Stress Thallium Prep:
- **NPO after MN**
- Must have heplock in place, left arm if possible.
- Follow Thallium menu or as instructed by Nuclear medicine technologist.

General Information: Two Part Test:
- Stress: First set of films will be taken
- Rest: Patient will return to the cardiology department 3-4 hours later for delayed films.

**Note:** Call central scheduling for appointment time on inpatients and outpatients.

**Cisternogram:**
Cisternogram Prep: None
**Note:**
- Must order a lumbar puncture under Radiology Diagnostics
- Nuclear medicine department must be notified 24 hours in advance.

**Gallium Scan:**
Gallium Scan prep: None unless otherwise indicated by N/M technologist.
General Information:
- Notification of 24 hours before scheduling exam.
- Length of exam is 1-3 days.

**Gastric Emptying:**
Gastric Emptying prep:
- **NPO after MN**
- Patient should be off all gastric meds and pain meds for 24 hours prior to test.
**I-123 Scan:**

I-123 Scan prep:
- Capsule given 6-24 hours prior to exam
- No IV contrast 6 weeks prior (C/T, IVP, Angiogram or Cardiac Cath), PTU D/C 3-10 days and thyroid meds (Synthroid) D/C 6-8 weeks.

General Information:
- Notice required 24 hours prior to ordering
- Test available Monday through Thursday only.

**I-131 Uptake:**

I-131 Uptake Prep:
- I-131 capsule give 6-24 hours prior to exam
- No IV contrast 6 weeks prior to exam (C/T, IVP, Angiogram or Cardiac Cath.), PTU D/C 3-10 days and Thyroid meds (Synthroid) D/C 6-8 weeks.

General Information: Notice required 24 hours prior to ordering.

**Liver/Spleen:**

Liver/Spleen Prep: No prep

**Renal Function:**

Renal Function Prep: Hydrate patient

General Information:
- For Captopril, renal patient must be off blood pressure meds and beta blockers for 48 hours.

**Shuntogram:**

Shuntogram Prep: None

General Information:
- Nuclear medicine department must be notified 24 hours in advance.

**Triple Renal:**

Triple renal prep: Hydrate patient

> **Special Procedures**

**Arteriogram:**

Arteriogram Prep:
- **NPO except for Meds**
- Iodine / Contrast allergy - Call Radiology RN
• Area of Interest = Abdomen, requires bowel prep if oral contrast given within 48 hours prior. Call radiology.

General Information:
• Must have working IV or heplock.
• Must have current CBC, BUN, CREAT, INR and PTT
• Heparin stopped minimum 2 hours prior to exam.
• INR < 1.5
• Must transport via stretcher.
• Must empty bladder before transport to department.
• Lovenox – Low dose – Hold 12 hours
  High dose – Hold 24 hours

**Biliary Drainage:**

Biliary Drainage prep:
• **NPO except for Meds**
• Iodine / Contrast allergy. Call radiology

General Information:
• Must have working IV or heplock.
• Must have current CBC, BUN, CREAT, INR and PTT on chart.
• Heparin stopped minimum 2 hours prior to exam.
• Must transport via stretcher.
• Must empty bladder before transport to department.
• Call Radiology RN if patient on blood thinners.
• INR < 1.5
• Lovenox – Low dose – Hold 12 hours
  High dose – Hold 24 hours

**Fistulogram / AV shunt:**

Fistulogram / AV Shunt Prep:
• Clear liquids 4 hours prior to exam.
• Iodine / Contrast allergy. Call radiology.

**Nephrostomy Insertion:**

Nephrostomy Insertion prep:
• **NPO except for Meds**
• Iodine / Contrast allergy. Call radiology.

General Information:
• Must have working IV or heplock.
• Must have current CBC, BUN, CREAT, INR and PTT on chart.
• Heparin stopped minimum 2 hours prior to exam.
• Must transport via stretcher.
• Must empty bladder before transport to department.
• Call Radiology RN if patient on blood thinners.
• INR < 1.5
• Lovenox – Low dose – Hold 12 hours
  High dose – Hold 24 hours

➤ **MRI**

**MRI:**

MRI prep:
• Patients with IV pumps must be place on dial-a-flow systems

General Information:
• No dietary or prep restrictions
• **Cannot** scan patient with: Pacemaker, Bone Stimulator, Cranial Aneurysm clips.
• Screening sheet information must be complete including patient weight.